

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR
JANUARY 1944

[Communicated by Capt. J. F. Hellweg, U. S. N. (Ret.), Superintendent, U. S. Naval Observatory.] All measurements and spot counts were made at the Naval Observatory from plates taken at the observatories indicated. Difference in longitude is measured from the central meridian, positive toward the west. Latitude is positive toward the north. Areas are corrected for foreshortening and expressed in millionths of Sun's hemisphere. For each day, under longitude, latitude, area of spot or group, and spot count, are included assumed longitude of center of the disk, assumed latitude of center of the disk, total area of spots and groups and total spot count.]

Date	East- ern stand- ard time	Mount Wilson group No.	Heliographic				Area of spot or group	Spot count	Plate qual- ity	Observatory
			Dif- ference in longi- tude	Lon- gi- tude	Lat- itude	Dis- tance from center of disk				
1944 Jan. 1	h m		°	°	°	°				
1	10 31			No spots					G	U. S. Naval.
2	12 56			No spots					P	Do.
3	11 16			No spots					G	Mt. Wilson.
4	10 57			No spots					F	U. S. Naval.
5	10 56			No spots					F	Mt. Wilson.
6	11 21			No spots					G	U. S. Naval.
7	10 16			No spots					F	Do.
8	11 23			No spots					P	Do.
9	11 26			No spots					F	Do.
10	10 25			No spots					VG	Do.
11	10 52			No spots					F	Do.
12	11 27			No spots					F	Do.
13	11 22			No spots					F	Do.
14	10 49			No spots					G	Mt. Wilson.
15	10 58			No spots					F	Do.
16	11 11			No spots					F	Do.
17	10 57			No spots					G	U. S. Naval.
18	10 49	7633	+23	127 (104)	-22 (-5)	28 16	16 3	3	G	Mt. Wilson.
19	11 47			No spots					F	Do.
20	12 41			No spots					F	U. S. Naval.
21	11 5			No spots					G	Mt. Wilson.
22	10 59	7634	-79	332 (51)	+11 (-5)	79 145	145 1	1	F	U. S. Naval.
23	12 27	7634	-64	333 (37)	+11 (-5)	66 145	145 1	1	G	Do.
24	10 23	7634	-51	334 (25)	+11 (-5)	53 121	121 1	1	G	Do.
25	11 18	7634	-38	333 (11)	+11 (-5)	41 97	97 1	1	F	Do.
26	10 37	7634	-25	333 (358)	+10 (-6)	30 73	73 1	1	F	Do.

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR
JANUARY 1944—Continued

Date	East- ern stand- ard time	Mount Wilson group No.	Heliographic				Area of spot or group	Spot count	Plate qual- ity	Observatory
			Dif- ference in longi- tude	Lon- gi- tude	Lat- itude	Dis- tance from center of disk				
1944 Jan. 27	h m		°	°	°	°				
27	10 49	7634	-11	334 (345)	+10 (-6)	19	97	9	G	U. S. Naval
28	10 36	7634	+3	335 (332)	+10 (-6)	16	73	2	F	Do.
29	11 22	7634	+16	334 (318)	+10 (-6)	22	48	4	G	Do.
30	10 34	7634	+29	335 (306)	+10 (-6)	33	36	1	F	Do.
31	10 18	7634	+42	335 (293)	+10 (-6)	46	16	1	F	Do.

Mean daily area for 31 days=28

VG=very good; G=good; F=fair; P=poor.

PROVISIONAL RELATIVE SUNSPOT NUMBERS FOR
DECEMBER 1943

[Based on observations at Zurich except as indicated by an asterisk. Data furnished through the courtesy of Prof. W. Brunner, Swiss Federal Observatory, Zurich, Switzerland]

December 1943	Relative numbers	December 1943	Relative numbers	December 1943	Relative numbers
1	22	11	*14	21	27
2	*22	12	*a12	22	22
3	a18	13	*d11	23	22
4	*18	14	*28	24	*18
5	*d14	15	*32	25	12
6	*22	16	*32	26	*0
7		17		27	0
8	*14	18	*b49	28	0
9	19	19		29	*0
10	*24	20	41	30	*0
				31	0

Mean, 28 days=17.6

*Observed at Locarno.

a= Passage of an average-sized group through the central meridian.

b= Passage of a large group through the central meridian.

c= New formation of a group developing into a middle-sized or large center of activity: E, on the eastern part of the sun's disk; W, on the western part; M, in the central-circle zone.

d= Entrance of a large or average-sized center of activity on the east limb.